

**AMENDMENT TO THE SPECIFICATION:**

Please replace paragraph [0020] with the following paragraph:

[0020] Fig. 1B shows an exemplary diagnostic system 10 implemented as an engine analyzer. The diagnostic system 10 includes a data processing system 100 and associated equipment/circuits connected to the data processing system 100, such as engine analyzer circuit 11 and scanner 26. The engine analyzer circuit 11 is typically equipped with a test lead boom 12, including a plurality of test leads and/or sensors adapted to be connected to various points of a vehicle engine, and a signal processing and conditioning circuit 13 for interfacing the test lead boom to the data processing system 100. The scanner 26 is implemented for connecting to an on-board computer to retrieve data stored therein. The data obtained by the scanner is passed to the data processing system 100 for further processing. Detailed structures and operations of the diagnostic systems are also described in U.S. Patent No. 6,615,120~~application No. 09/669,334~~, titled "SYSTEM FOR DYNAMIC DIAGNOSIS OF APPARATUS OPERATING CONDITIONS," ~~filed October 30, 2000~~issued on September 02, 2003, U.S. provisional application No. 60/063,361, filed October 28, 1997, and U.S. patent No. 6,141,608, all assigned to the assignee of the current application, the entireties of which are incorporated herein by reference.